

COMPRESSED-RADIUS HEM-FORMING PROCESS AND TOOL

Abstract of Disclosure

A tool and process utilizing the tool for forming a compressed-radius hem on a sheet metal assembly is provided. A concave portion on the tool is formed by at least two surfaces that together define a cavity. A flange on the perimeter of an outer panel is initially formed to an approximate perpendicular angle and is then formed to about 45°. In a final forming step, an intermediate portion of the flange is engaged by the cavity and is formed into a compressed-radius hem.

Figures